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(21) International Application Number: PCT/IT96/00048 (22) International Filing Date: 15 March 1996 (15.03.96) (30) Priority Data: MI95A000546 20 March 1995 (20.03.95) IT (71) Applicant (for all designated States except US): MAZZINI ICI S.P.A. [IT/IT]; Via Modena, 14, I-24040 Ciserano Zingonia (IT). (72) Inventors; and (75) Inventors/Applicants (for US only): NANI, Eros [IT/IT]; Via Verdello, 31/P, I-24040 Ciserano Zingonia (IT). BONANDRINI, Andrea [IT/IT]; Via Industria, 22, I-25037 Pontoglio (IT). (74) Agents: ADORNO, Silvano et al.; Società Italiana Brevetti, Via Carducci, 8, I-20123 Milano (IT).		(81) Designated States: AL, AM, AT, AU, AZ, BB, BG, BR, BY, CA, CH, CN, CZ, DE, DK, EE, ES, FI, GB, GE, HU, IS, JP, KE, KG, KP, KR, KZ, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, TJ, TM, TR, TT, UA, UG, US, UZ, VN, ARIPO patent (KE, LS, MW, SD, SZ, UG), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>

(54) Title: SELF-CLEANING FILTER FOR PNEUMATIC CIRCUITS**(57) Abstract**

A self-cleaning filter for pneumatic circuits includes a filtering baffle (1) mounted on a drum (2) rotated steadily, the flow (A) of the air to be filtered being from outside to inside the baffle (1), as well as a suction mouth (5) longitudinally positioned in the vertical mid-plane at the lowest point of the baffle (1) and externally adjacent thereto, and a blowing nozzle (6) internally adjacent to the baffle (1) at a position exactly opposite the mouth (5), both the mouth (5) and the nozzle (6) extending along the whole length of the filtering baffle (1). The nozzle (6) has a plurality of aligned bores suitable to emit a narrow jet of counter-current air, with adjustable incidence, and the mouth (5) is shaped as a trapezoidal hopper with a small adjustable blowing nozzle (C) at one end.

